Division of Water Anchorage

MAY 2 1 2013

SCANNE ANC 2339.48.003 XTO ENERGY INC 52260 Wik Road Kenai, Alaska 99611

# NPDES - Discharge Monitoring Report

<u>Facility</u> East Forelands Permit ID AKG-31-5003 Month / Yr Apr-13

## **Attachments**

♦ None

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

(2-16)

AKG 31 5003 015 PERMIT NUMBER DISHCARGE NUMBER DMR Mailing Zip Code: 99611 MAJOR

(SUBR 02)

PRODUCED WATER AND SAND

External Outfall

MONITORING PERIOD

| FROM | YEAR    | MONTH   | DAY     |  |  |
|------|---------|---------|---------|--|--|
| FROM | 2013    | 4       | 1       |  |  |
|      | (20-21) | (22-23) | (24-25) |  |  |

NAME:

XTO ENERGY, INC.

LOCATION: 52260 WIK ROAD, KENAI AK 99611

KENAI, AK 99611

ADDRESS: 52260 WIK RD

FACILITY: EAST FORELAND

ATTN: Rvan Tunseth, EHS Manager

| то | YEAR    | MONTH   | DAY     |  |  |
|----|---------|---------|---------|--|--|
| 10 | 2013    | 4       | 30      |  |  |
|    | (26-27) | (28-29) | (30-31) |  |  |

No Discharge

| PARAME                                | TER  |  | QUANTITY   | OR LOADIN  | IG (46-   | QUALITY OR CONCENTRATION                                    |                          |  |       | NO EX.                 | FREQUENCY                      | SAMPLE TYPE (69-70)   |
|---------------------------------------|--|--|--|--|---|---|--------------------------|--|-------|------------------------|--------------------------------|---|
|                                       |  |  | 53) (54-61)  |  |   | (38-45)   | (46-53)                  | (54-61)  |       |                        | OF ANALYSIS                    | (44 10)   |
| (32-37)                               |  |  | Average  | Maximum  | Units   | Minimum   | Average                  | Maximum  | Units | (62-63)                | (64-68)                        |   |
| 015 - Produced Water                  | FLOW   | Sample<br>Measurement  | 0.10456572   | 0.126689   | MGD   | ***   | ***                      | ***  | ***   | 0                      | Weekly                         | Estimate  |
|                                       |  | Permit<br>Requirement  |  |  | MGD   | ###   |                          | -  |       | ***                    | Weekly                         | Estimate .  |
| 015 - Produced Water<br>PRODUCED SAND |  | Sample<br>Measurement  | ***  | ***  | ***   | No<br>discharge   | No<br>discharge          | No<br>discharge  | ***   | 0                      | ***                            | ***   |
|                                       |  | Permit at a Requirement  |  | 4  |   | No discreme   | No<br>discharge          |  | 111   |                        | -                              |   |
| 015 - Produced Water<br>OIL & GREASE  |  | Sample<br>Measurement  | ***  | ***  | ***   | ***   | 17.40                    | 37   |       | 0                      | Weekly                         | Grab  |
| 03582 T                               |  | Permite<br>Requirement #   |  |  |   |   | 29                       | 42   | mg/l  |                        | Weekly                         | g Grab  |
| 015 - Produced Water<br>oH            |  | Sample<br>Measurement  | ***  | ***  | ***   | 6.4   | * ***                    | 7.6  | 011   | 0                      | Weekly                         | Grab  |
| 00400-V                               |  | Permit Requirement   |  | -  |   | 6:  |                          | 9  | SU    |                        | Weekly                         | Grab  |
| 015 - Produced Water<br>TAH           |  | Sample<br>Measurement  | ***  | ***  | ***   | ***   | 17                       | 17   |       | 0                      | Monthly                        | Grab  |
| 39942 P 0                             | <u>_</u>   | Permit<br>Requirement  |  |  |   |   | 24                       | 32   | mg/l  |                        | Monthly                        | Grab  |
| 015 - Produced Water<br>FAqH          |  | Sample<br>Measurement  | ***  | ***  | ***   | ***   | 17.281                   | 17.281   |       | 0                      | Monthly                        | Grab  |
| 50259 P 0                             |  | Permit Requirement   |  |  |   |   | Report                   | Report   | mg/l  |                        | Monthly                        | Grab  |
| 015 - Produced Water<br>FOTAL AMMONIA | <u> </u>   | Sample<br>Measurement  | ***  | ***  | ***   | 6.10  | ***                      | 6.10   |       | 0                      | Quarterly                      | <del>помининалицивничностика положения драга а положе</del><br>Grab |
| 00610 1 0                             |  | Pernit<br>Requirement  |  |  | ***   | Report  |                          | Report   | mg/l  |                        | Quarterry                      | Grab  |
| NAME TITLE PRINCIPAL                  |  |  | **************************************   | - Approximation  |   | PRINTELLIA SENSET PERSONALES                                | TETOS KARATHAN SERVE FER | PRESENTATION OF THE PROPERTY O |       | aren ann an an Aireann | TERLEMHERSECTRONICS CONTRACTOR | <u>шиничтиновыяванны учины доличичины на прина</u>                  |
| EXECUTIVE OFFICER                     | I certify under penalty of   | law that this documer  | nt and all attachmer   | its were prepar  | ed under my d   | lirection or  |                          |  |       | Tel                    | ephone                         | Date (YR/MO/DAY)  |
| Ryan Tunseth<br>EHS Manager           | supervision in accordan<br>evaluate the information<br>or those persons driectly<br>of my knowledge and be<br>for submitting false infor | ce with a system design submitted. Based on<br>responsible for gather<br>lief is true, accurate, a | gned to assure that<br>my inquiry of the pe<br>ering the information<br>and complete. I am | qualified personerson or person or person or person or the information aware that then | nnel properly<br>s who manag<br>on submitted i<br>e are significa | gather and<br>the system,<br>s, to the best<br>of penalties | Ry                       | Signature  |       | 907                    | 776-8473                       | 5/19/2013   |

equency is reduced to once/6 months [Section II.G.6.a - Permit # AKG-31-5000] 1st Period 2012 WET tests & Annual Rescreening [Section III.A.2.- Permit # AKG-31-5000] were taken in April - 2012, results and reports were included in the June 2012 DMR submittal. 2nd period 2012 WET tests were taken in December 2012, reports were submitted with the January 2013 DMR. Additionally, the sampling frequency for Copper, Manganese, Silver, Total Mercury, and Zinc is reduced in frequency from monthly to quarterly [Section II.G.6.a - Permit # AKG-31-5000] 2nd Quarter 2013 sample results were taken in April 2013 and are reported on this DMR.

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME: XTO ENERGY, INC ADDRESS: 52260 WIK RD

KENAI, AK 99611

FACILITY: EAST FORELAND

ATTN: Ryan Tunseth, EHS Manager

LOCATION: 52260 WIK ROAD, KENAI AK 99611

(2-16) (17-19)

AKG 31 5003 015

PERMIT NUMBER DISHCARGE NUMBER

**DMR Mailing Zip Code**: 99611 MAJOR

(SUBR 02)

PRODUCED WATER AND SAND

External Outfall

### MONITORING PERIOD

| FROM | YEAR    | MONTH   | DAY     |
|------|---------|---------|---------|
|      | 2013    | 4       | 1       |
|      | (00.04) | (22.20) | (04.00) |

|    | YEAR    | MONTH   | ĎAY     |
|----|---------|---------|---------|
| то | 2013    | 4       | 30      |
|    | (26-27) | (28-29) | (30-31) |

No Discharge

| PARAMETER                         |                       |  | QUANTITY   | OR LOADIN                           | NG (46-                      | 1 -                       | TY OR CON | CENTRATIO | ON     | NO EX.  | FREQUENCY   | SAMPLE TYPE  | (69-70) |
|-----------------------------------|-----------------------|--|--|-------------------------------------|------------------------------|---------------------------|-----------|-----------|--------|---------|-------------|--------------|---------|
|                                   |                       |  | 53) (54-61)  |                                     |                              | (38-45)                   | (46-53)   | (54-61)   |        | _       | OF ANALYSIS |              |         |
| (32-37)                           |                       |  | Average  | Maximum                             | Units                        | Minimum                   | Average   | Maximum   | Units  | (62-63) | (64-68)     |              |         |
| 015 - Produced Water              |                       | Sample   | ***  | ***                                 |                              | 5.48                      | 5.48      | 5.48      |        | 0       | Quarterly   | Grab         |         |
| COPPER                            |                       | Measurement  |  |                                     | ***                          | 3.46                      | 3.40      | 5.40      | ug/I   | U       | Quarteny    | Grab         |         |
| 01119 P 0                         |                       | Permit   |  |                                     |                              |                           | 60        | 90        | ugn    |         | Quarterly   | ; Grab       |         |
| 015 - Produced Water              |                       | Sample   | ***  | ***                                 |                              | n                         | 0.00      | 0         |        | 0       | Quarterly   | Grab         |         |
| MERCURY                           |                       | Measurement  |  |                                     | ***                          |                           | 0.00      |           | ug/l   |         | Quarterly   | Grab         |         |
| 71900 P 0                         |                       | Requirement  |  |                                     |                              |                           | 0.5       | 0.8       | ugn    |         | Quarterly   | Grab         |         |
| 015 - Produced Water              |                       | Sample   | ***  | ***                                 |                              | 2.05                      | 2.05      | 2.05      |        | 0       | Quarterly   | Grab         |         |
| MANGANESE                         |                       | Measurement  | nandad rottingen and paragraph of Al                             | remaining library and panel because | ***                          | 2.00                      | 2.00      | 2.00      | mg/l   | · ·     | Quarterly   | Glab         |         |
| 11123 P 0                         |                       | Permir#<br>Requirement                             |  | =                                   |                              |                           | 7,9       | 15.8      | mgn    |         | Quarterly   | Grab         |         |
| 015 - Produced Water              |                       | Sample   | ***  | ***                                 |                              | 28.10                     | 28.10     | 28.10     |        | 0       | Quarterly   | Grab         |         |
| SILVER                            |                       | Measurement  |  |                                     | ***                          | 20.10                     | 20.10     | 20.10     | ug/l   | - 0     | Guarterry   | Giab         |         |
| 01079 P 0                         |                       | Permital<br>Requirement                            | 14.  |                                     |                              |                           | 46        | 149       | ug/i   |         | Quarterly   | Grab         |         |
| 015 - Produced Water              |                       | Sample   | ***  | ***                                 |                              | 0.03                      | 0.03      | 0.03      |        | 0       | Quarterly   | Grab         |         |
| ZINC                              |                       | Measurement  |  | DODUMNI WILDIAM                     | ***                          | 0.00                      | 0.00      | 0.00      | mg/l   | -       | Quarterly   | Glab         |         |
| 01094 P 0                         |                       | Permit   | 4  |                                     |                              | 4                         | 31        | 6.1       | 1119/1 | **      | Quarterly   | g Grab       |         |
| 015 - Produced Water              |                       | Sample   | ***  | ***                                 |                              | ***                       | ***       | ***       |        | 0       | Semi Annual | Grab         |         |
| NET - Mytilus galloprovincialis ( | (invertibrate)        | Measurement  |  |                                     | ***                          |                           |           | !         | TUc    | . 0     | Semi Amuai  | Grap         |         |
| TT000 P 0                         |                       | Requirement  | 4  | 4                                   |                              | 7                         | 1209      | 2425      | 100    | 4       | Semi Annual | Grab         |         |
| NAME TITLE PRINCIPAL              |                       |  |  | _                                   |                              |                           |           |           |        |         |             |              |         |
| EXECUTIVE OFFICER                 | tificumdor oppolitica | flow that this decume                              |  | -4                                  |                              |                           |           |           |        | Tel     | ephone      | Date (YR/MO) | DAY)    |
| supe                              | ervision in accordar  | f law that this documer<br>nce with a system desig | nt and all attachmer<br>aned to assure that                      | nts were prepar                     | ea under my<br>onel property | grection or<br>gather and |           | ۸         |        |         |             |              |         |
| Ryan Tunseth evalu                | uate the information  | n submitted. Based on                              | e the system,  | the system.                         |                              |                           |           |           |        |         |             |              |         |
| EHS Manager   or the              | ose persons driectl   | y responsible for gathe                            | ering the information, the information submitted is, to the best |                                     |                              |                           |           |           |        | 907 7   | 776-8473    | 5/19/2013    | 3       |
| of my                             | y knowledge and be    | elief is true, accurate, a                         | and complete. I am   | aware that ther                     | e are significa              | ant penalties             | 7         | 0:        |        |         |             |              |         |
| OMMENTS & EXPLANATION O           | ubinitung talse into  | rmation, including the p                           | possibility of fine an   | ia imprisonmen                      | t for knowing                | violations.               | U         | Signature |        |         |             |              |         |

Rescreening [Section III.A.2.- Permit # AKG-31-5000] were taken in April - 2012, results and reports were included in the June 2012 DMR submittal. 2nd period 2012 WET tests & Annual Rescreening [Section III.A.2.- Permit # AKG-31-5000] were taken in April - 2012, results and reports were included in the June 2012 DMR submittal. 2nd period 2012 WET tests were taken in December 2012, reports were submitted with the January 2013 DMR. Additionally, the sampling frequency for Copper, Manganese, Silver, Total Mercury, and Zinc is reduced in frequency from monthly to quarterly [Section III.G.6.a - Permit # AKG-31-5000] 2nd Quarter 2013 sample results were taken in April 2013 and are reported on this DMR.

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(2-16) (17-19) AKG 31 5003 015 XTO ENERGY, INC. PERMIT NUMBER DISHCARGE NUMBER ADDRESS: 52260 WIK RD

NAME:

KENAI, AK 99611

LOCATION: 52260 WIK ROAD, KENAI AK 99611

FACILITY: EAST FORELAND

ATTN: Ryan Tunseth, EHS Manager

DMR Mailing Zip Code: 99611 MAJOR (SUBR 02)

PRODUCED WATER AND SAND

External Outfall

### MONITORING PERIOD

|      | YEAR    | MONTH   | DAY     |
|------|---------|---------|---------|
| FROM | 2013    | 4       | 1       |
|      | (20-21) | (22-23) | (24-25) |

|    | YEAR    | MONTH   | DAY     |
|----|---------|---------|---------|
| то | 2013    | 4       | 30      |
|    | (26-27) | (28-29) | (30-31) |

No Discharge

| PARAMETI  | ER         | QUANTITY OR LOADING (46- |         |         |         |         | QUALITY OR CONCENTRATION |         |             |         | FREQUENCY   | SAMPLE TYPE   | (69-70) |
|---|------------|--------------------------|---------|---------|---------|---------|--------------------------|---------|-------------|---------|-------------|---------------|---------|
|   |            | 53) (54-61)              |         | (38-45) | (46-53) | (54-61) |                          |         | OF ANALYSIS |         |             |               |         |
| (32-37)   |            |                          | Average | Maximum | Units   | Minimum | Average                  | Maximum | Units       | (62-63) | (64-68)     |               |         |
| 015 - Produced Water<br>WET - Menidia beryllina (ve   | ertebrate) | Sample<br>Measurement    | ***     | ***     | ***     | ***     | ***                      | ***     |             | 0       | Semi Annual | Grab          |         |
| TT000 P 0   | ,          | Permit Requirement       |         |         | ***     |         | 1209                     | 2425    | TUc         | 144     | Semi Annual | Grab          |         |
| 015 - Produced Water<br>WET - Echinoderm  |            | Sample<br>Measurement    | ***     | ***     | ***     | ***     | ***                      | ***     | T11-        | 0       | Semi Annual | Grab          |         |
| TT000 P 0   |            | Permit alfabilit         |         | 15      |         |         | 1209                     | 2425    | TUc         | ***     | Semi Annua  | Grab          |         |
| NAME TITLE PRINCIPAL EXECUTIVE OFFICER  |            |                          |         |         |         |         |                          |         |             | Tel     | ephone      | Date (YR/MO/l | DAY)    |
| Ryan Tunseth EHS Manager  Ryan for those persons directly responsible for gathering the information, including the possibility of fine and imprisonment for knowing violations.  It certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. |            |                          |         |         |         |         |                          |         |             | 1       |             |               |         |

COMMENTS & EXPLANATION OF ANY VIOLATIONS: WET Testing sampling frequency is reduced to once/6 months (Section II.G.6.a - Permit # AKG-31-5000) 1st Period 2012 WET tests & Annual Rescreening [Section III.A.2.- Permit # AKG-31-5000] were taken in April - 2012, results and reports were included in the June 2012 DMR submittal. 2nd period 2012 WET tests were taken in December 2012, reports were submitted with the January 2013 DMR. Additionally, the sampling frequency for Copper, Manganese, Silver, Total Mercury, and Zinc is reduced in frequency from monthly to quarterly [Section II.G.6.a - Permit # AKG-31-5000] 2nd Quarter 2013 sample results were taken in April 2013 and are reported on this DMR.